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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,741 12/04/2001		12/04/2001	Joseph Herman Krushinski JR.	X-11704	7715
25885	7590	11/05/2002			
ELI LILLY			EXAMINER		
PATENT DIVISION P.O. BOX 6288				BERCH, MARK L	
		16206 6200			
INDIANAPO	JLIS, IN	46206-6288		ART UNIT	PAPER NUMBER
				1624	
				DATE MAILED: 11/05/2002 12	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		09/890,741	KRUSHINSKI ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Mark L. Berch	1624					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NO - Failu - Any	ORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.1. SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a re y within the statutory minimum of thirty vill apply and will expire SIX (6) MONT , cause the application to become AB	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).					
1)[Responsive to communication(s) filed on	·						
2a) <u></u> □	This action is FINAL . 2b)⊠ Th	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
·	ion of Claims							
•	Claim(s) <u>1-25</u> is/are pending in the application							
	4a) Of the above claim(s) is/are withdrav	wn from consideration.						
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are allowed.							
·	Claim(s) 1-5 and 10-24 is/are rejected.							
	7) Claim(s) 6-9 and 25 is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement. Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) ☐ All b) ☐ Some * c) ☐ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
14)⊠ A	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachmen		• • • • • • • • • • • • • • • • • • • •						
2) 🔲 Notic	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>8.</u>	5) Notice of In	ummary (PTO-413) Paper No(s) formal Patent Application (PTO-152)					
								

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-5, 10-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- The phrase, "4-substituted piperazine" is indefinite: substituted with what?
 Substituents are given for other places, but not there.
- The claim 11-12 limitations are meaningless, so that these claims duplicate claim 1.
 A compound is still a compound, regardless of when it is used.
- 3. Further, it is not clear what actual process "neuronal protein extravasation" refers to.
 A search on the PubMed data base did not find this phrase. Applicants are requested to submit a scientific article on the subject.
- 4. Claim 17-18 refer to a "nitronium ion." However, such a term does not appear in claim 14. Moreover: What is that?

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 1, 2, 4, 5, 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carr.

Note formula I for the final products. Note also Formula IV in column 4 for the intermediate, corresponding to R=H. These embrace applicants compounds. The final product species appear in the paragraph bridging columns 2-3. Note species 1 and others. For the N-H species, note column 15, lines 13-14 and Example 3, These differ only in that they have the amino, acetamido, or sulfonamido substituent at the 4 position on the benzene ring (para) while applicants have it at the 3-position (meta). However, the Formula I and Formula IV drawings clearly show the other positions as well. In addition, it is well established that position isomers, even without the floating valence, are prima facie structurally obvious even in the absence of a teaching to modify. The isomer is expected to be preparable by the same method and to have generally the same properties. This expectation is then deemed the motivation for preparing the position isomers. This circumstance has arisen many times. See: Ex parte Englehardt, 208 USPQ 343, 349; In re Mehta, 146 USPQ 284, 287; In re Surrey, 138 USPQ 67; Ex Parte Ullyot, 103 USPQ 185; In re Norris, 84 USPQ 459; Ex Parte Naito, 168 USPQ 437, 439; Ex parte Allais, 152 USPQ 66; In re Wilder, 166 USPQ 545, 548; Ex parte Henkel, 130 USPQ 474; Ex parte Biel, 124 USPQ 109; In re Petrzilka, 165 USPQ 327; In re Crownse, 150 USPQ 554; In re Fouche, 169 USPQ 431; Ex parte Ruddy, 121 USPQ 427; In re Wiechert, 152 USPQ 249, In re Shetty, 195 USPQ 753.

For example, "Position isomerism has been used as a tool to obtain new and useful drugs" (Englehardt) and "Position isomerism is a fact of close structural

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similarity" (Mehta, emphasis in the original). See also MPEP 2144.09, second paragraph.

Claims 1-5, 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Butera, Oinuma, or Helsley, alone or in view of Carr.

In Butera, note that A can be pyridyl. In Oinuma, note that Y is broadly defined, with many species having aralkyl or heteroaryl-alkyl. See e.g. Column 24 line 12, example 2-6, 10-14, 18-19, species at column 34, line 57, example 21, etc. In Helsley, the species have R1 as OH. See Example 8A, 8B, 13B, 13C. The same reasoning applies. In addition, Carr teaches that the substituent on the benzoyl can be at other positions.

These rejections can be overcome by showing unexpected effects (any statistically significant improvement will be deemed unexpected) arising from the use of the 3-position rather than the 4-position.

Specification

This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

Claims 6-9, 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark L. Berch whose telephone number is 703-308-4718. The examiner can normally be reached on M-F 7:15 - 3:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mukund Shah can be reached on 308-4716. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703-308-4556 for regular communications and 703-308-4556 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 708-308-1235.

Mark L. Berch Primary Examiner Art Unit 1624 Page 5

November 1, 2002